

JOHN M. COFFIN

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Education: 1967 B.A. Wesleyan University, Middletown, Connecticut (Biology)
1972 Ph.D. University of Wisconsin (Molecular Biology)
Advisor: Dr. H.M. Temin

Fields of Scientific Interest: Replication and evolution of retroviruses.

Professional Employment Experience:

- 1965-67 Research Assistant
Children's Cancer Research Foundation
Boston, Massachusetts
- 1967-72 Trainee
McArdle Laboratory for Cancer Research
University of Wisconsin, Madison, Wisconsin
- 1972-75 Postdoctoral Fellow
Institut für Molekularbiologie
Universität Zürich
Hönggerberg
8049 Zürich, Switzerland
- 1975-78 Assistant Professor
Molecular Biology and Microbiology
Tufts University School of Medicine
Boston, Massachusetts
- 1978-82 Associate Professor
Molecular Biology and Microbiology
Tufts University School of Medicine
Boston, Massachusetts

- 1982- Professor
Molecular Biology and Microbiology
Tufts University School of Medicine
Boston, Massachusetts
- 2002- Distinguished Professor
Tufts University
Boston, Massachusetts
- 1985-93 American Cancer Society, Massachusetts
Division, Professor of Molecular Biology
Tufts University School of Medicine
Boston, Massachusetts
- 1994- American Cancer Society Research
Professor of Molecular Biology
Tufts University School of Medicine
Boston, Massachusetts
- 1997-2005 Director, HIV Drug Resistance Program
National Cancer Institute
Frederick, Maryland

HONORS AND SERVICE

Fellow, Jane Coffin Childs Memorial Fund for Medical Research, 1972-74

Editorial Boards:

- J. Virol. 1978-1991
- Virology, 1980-1993, 2003-
- Oncogene Res. 1987-1991
- Oncogene, 1988-1992
- Leukemia, 1990-1997
- Genes and Development, 1991-1994
- Proc. Natl. Acad. Sci. USA 2000-

Editor, Journal of Virology, 1991-1997

Virology Study Section, 1980-1984

Organizer, Cold Spring Harbor meeting on RNA Tumor Viruses, 1981, 1991, 1997

Frequent Ad Hoc reviewer for Cancer Center core and program project grants, etc.

Member, Retrovirus subsection, International Committee on the Taxonomy of Viruses, 1982-1987, Chair, 1987-95

Member, California AIDS Task Force, Basic Science Review Group, 1986-97, Chair 1993-97

Member, Leukemia Society of America, Grant Review Subcommittee, 1987-1991; 1992-2000

Chair 1997-2000

Member, Leukemia Society of America, National Board of Trustees, 1987-1991, 1992-

Member, National Cancer Institute Manpower Initial Review Group, 1987-1991

Outstanding Investigator Award, National Institutes of Health, 1987-1994; 1994-2001, 2016-2023

Reviewing Editor, Science, 1987- 1996

Member, Institute of Medicine Committee to Study the AIDS Research Program of the NIH, 1989-1991

Milton and Natalie Zucker Award for Research, 1989, 1997

Member, Pediatric AIDS Foundation Ariel Project, Board of Scientific Councilors.

Member, National Cancer Institute-Frederick Cancer Research & Development Center Advisory Committee, 1993-, Chair, 1995-1997

Fellow, American Academy of Microbiology, 1993

American Cancer Society Research Professorship, 1994-

Member, Panel to Assess the NIH Investment in Gene Therapy, 1995

Member, Oversight Committee for the NIH AIDS Research Program, 1996

Distinguished Faculty Award, Tufts University, 1997

Member, National Academy of Science, 1999-

Member, NRC Committee on Concerns Associated with Animal Biotechnology, 2001-2002

Distinguished Professor, Tufts University, 2002

Fields Memorial Lecturer, Tenth Conference on Retroviruses and Opportunistic Infections, 2003

Distinguished Research Career Award, Center for Retrovirology, Ohio State University, 2003

Member Scientific Advisory Board, Aaron Diamond AIDS Research Center, 2003-

Member, CROI Program Committee, 2003-, Vice Chair, 2008-2010, Chair 2011-2012

Massachusetts Columbus Quincentennial Award, 2006

Fellow, Massachusetts Academy of Sciences, 2008

Gertrude Elion Memorial Lecture, HIV DART, 2010

Fellow, AAAS, 2014

Director's Award, National Cancer Institute, 2015

SELECTED PUBLICATIONS

- Maldarelli, F., X. Wu, L. Su, F. R. Simonetti, W. Shao, S. Hill, J. Spindler, A. L. Ferris, J. W. Mellors, M. F. Kearney, J. M. Coffin, and S. H. Hughes. 2014. HIV latency. Specific HIV integration sites are linked to clonal expansion and persistence of infected cells. *Science* **345**:179-183. PMC 4262401
- Simonetti, F. R., M. D. Sobolewski, E. Fyne, W. Shao, J. Spindler, J. Hattori, E. M. Anderson, S. A. Watters, S. Hill, X. Wu, D. Wells, L. Su, B. T. Luke, E. K. Halvas, G. Besson, K. J. Penrose, Z. Yang, R. W. Kwan, C. Van Waes, T. Uldrick, D. E. Citrin, J. Kovacs, M. A. Polis, C. A. Rehm, R. Gorelick, M. Piatak, B. F. Keele, M. F. Kearney, J. M. Coffin, S. H. Hughes, J. W. Mellors, and F. Maldarelli. 2016. Clonally expanded CD4⁺ T cells can produce infectious HIV-1 in vivo. *Proc Natl Acad Sci U S A* **113**:1883-1888. PMC 4763755
- Hughes, S. H., and J. M. Coffin. 2016. What integration sites tell us about HIV persistence. *Cell Host Microbe* **19**:588-598. PMC 4900157
- Wiegand, A., J. Spindler, F. F. Hong, W. Shao, J. C. Cyktor, A. R. Cillo, E. K. Halvas, J. M. Coffin, J. W. Mellors, and M. F. Kearney. 2017. Single-cell analysis of HIV-1 transcriptional activity reveals expression of proviruses in expanded clones during ART. *Proc Natl Acad Sci U S A*
- Van Zyl, G. U., M. G. Katusiime, A. Wiegand, W. R. McManus, M. J. Bale, E. K. Halvas, B. Luke, V. F. Boltz, J. Spindler, B. Laughton, S. Engelbrecht, J. M. Coffin, M. F. Cotton, W. Shao, J. W. Mellors, and M. F. Kearney. 2017. No evidence of HIV replication in children on antiretroviral therapy. *J Clin Invest* **127**:3827-3834. PMC5617669